WESTON SOLUTIONS, INC., REGION I START IV SITE HEALTH AND SAFETY PLAN (HASP)

Prepared by: Eric D. Ackerman	**W.O. No.: 30100.011.001.~~0065~~0077.00**

Project Identification: Contract No. EP-S3-15-01 **TDD NO: TO1-01-15-10-0003 EPA Contact: Allen Jarrell**
Site Name: Anglo Enterprises Company Site Site Address: 35 Pearl Street, Webster, Massachusetts

Site History: The mill is owned by 35 Pearl St. LLC, and is located at 35 Pearl Street, Webster, Worcester County, Massachusetts.

The mill building was destroyed by a catastrophic fire on 25 June 2015. The former mill complex is situated on approximately 9 acres located in a congested residential/commercial/industrial area of Webster, MA. The general public is in close proximity to this area with an apartment complex, basketball courts and a toddler playground areas situated directly across the street from the site. Immediately after the fire, the Central Region Massachusetts Department of Environmental Protection (MassDEP) asbestos program was made aware through information obtained from a Division of Local Services (DLS)-licensed asbestos contractor and also a DLS licensed asbestos inspector retained by the property owner that exterior and interior asbestos containing materials were present throughout the buildings. The DLS licensed asbestos inspector provided MassDEP's asbestos program with the asbestos sampling results and a partial asbestos survey of the buildings.

The MassDEP asbestos program conducted an inspection of the property accompanied by the aforementioned DLS licensed asbestos contractor and observed significant quantities of friable asbestos containing materials and non-friable asbestos containing materials that have been rendered friable co-mingled throughout the fire/demolition debris at the site. MassDEP considers all of the fire/demolition debris to be asbestos containing/asbestos contaminated.

Scope of Work: Task 01: Mobilize to site and perform a perimeter site reconnaissance to determine the number and type of samples that will be collected to sufficiently characterize the site.

Directions to Site: Proceed from Riverside Drive to River Road, head east on River Road to Route 93 South. Continue on Route 93 south and exit onto Route 495 south. Continue on Route 495 south to Interstate 290 west and take Exit 3, Cudworth Road, to Route 12 (Main Street) south to 35 Pearl Street, Webster, Massachusetts.

Review and Approval Documentation:

Reviewed by:
Site Leader/Environmental Compliance Officer Eric D. Ack Date: 11/9/15

Approved by: For Paul Calidonna Date: 11/9/15 ☒ START HSO

Verbal Approval (Emergency Response/Modifications)

Approval by: _____ Date:

Vehicle Use Assessment and Selection:

Driving is one of the most hazardous and frequent activities for Weston Employees. The most appropriate type of vehicle(s) authorized for use on this project is/are:

☐ Ford Expedition

☐ Ford F-250 Super Crew Cab Pick-Up Truck

☐ Ford F-350 Geoprobe (Extended Cab)

☐ Ford E-250 Econoline Van

☐ Freightliner Box Truck

☒ Other/Rental (List): Sedan

The following Project Team Member's qualifications and experience in driving these types of vehicles was evaluated and found to be acceptable (Indicate vehicle type(s) next to employee name). All Region I START III members are experienced and qualified to drive the Ford Expedition and Ford F-250 Super Crew Cab Pick-Up Truck.

1. Eric Ackerman

2.

Commute To Site Considerations: The site is a is accessed via primarily large highway for the majority of the commute. After exiting the large highway, town/rural roads are used that has considerable traffic from the local towns through which it traverses. In addition to vehicles, people and animals can/will be along the route.

On-Site:

The project site was evaluated and a Traffic Control Plan ☐ Is Required ☒ Is Not Required.

If Required, the Traffic control Plan can be found in Appendix E of this HASP

Hazard Assessment and Equipment Selection

In accordance with WESTON's Personal Protective Equipment Program and 29 CFR 1910.132, at the site prior to personnel beginning work, the field safety Officer (FSO) and/or the Site Leader have evaluated conditions and verified that the personal protective equipment selection outlined within this HASP is appropriate for the hazards known or expected to exist - Refer to Safety Officer Manual Section 2, Personal Protection Program, for guidance. For Region 1 START III projects, the site Leader is also the Environmental Compliance Officer unless otherwise noted.

☐ FSO ☐ Site Manager Signature: _____ Date:

☐ Dangerous Goods Shipping Coordinator (If Required):

Project start date: 11/5/2015 Anticipated Site Visit date: 11/10/2015 End date: 12/30/2015	Plan expiration date: 1/1/2016	Amendments:

Figure 1 - Site map/work zones

SITE SPECIFIC HAZARD EVALUATION

☒ CHEMICAL HAZARDS ☒ BIOLOGICAL HAZARDS ☒ PHYSICAL HAZARDS ☒ RADIATION HAZARDS

HEALTH AND SAFETY EVALUATION - CHEMICAL HAZARDS

Chemical Contaminants of Concern: data sheets (MSDS, NIOSH pocket guide, etc.) can be found in Appendix A of this HASP.

Chemical Name/Matrix	Concentration	Chemical Name	Concentration
Asbestos	Unknown		

Chemicals taken onto Site by WESTON or subcontractors - Identify hazardous materials used or on-site and attach Material Safety Data Sheets (MSDSs) for all reagent type chemicals, solutions, or other identified materials that in normal use in performing tasks related to this project could produce hazardous substances. Ensure that all subcontractors and other parties working nearby are informed of the presence of these chemicals and the location of the MSDSs. Obtain from subcontractors and other parties, lists of the hazardous materials they use or have on-site and identify location of the MSDSs here. List chemicals and quantities below and locate MSDSs in Attachment B of this HASP.

Chemical Name	Quantity	Chemical Name	Quantity
Pentane: calibration grade	< 19 L	ABC Fire Extinguisher Material	< 20 pounds
Methane: calibration grade	< 100 L	Liqui-Nox	< 1 L
Isobutylene: calibration grade	< 17 L	Compressed Air	< 100 L
Hydrogen: Instrument Fuel	< 4 cu. ft.		

OSHA SITE SPECIFIC HAZARDOUS SUBSTANCES

The following substances may require specific medical, training, or monitoring based upon concentration or evaluation of risk. See the appropriate citation listed under 29 CFR 1910 or 1926 for additional information.

☒ 1910.1001 Asbestos	☐ 1910.1002 Coal tar pitch volatiles	☐ 1910.1003 4-Nitrobiphenyl, etc.
☐ 1910.1004 alpha-Naphthylamine	☐ 1910.1005 [Reserved]	☐ 1910.1006 Methyl chloromethyl ether
☐ 1910.1007 3,3'-Dichlorobenzidine (and salts)	☐ 1910.1008 bis-Chloromethyl ether	☐ 1910.1009 beta-Naphthylamine
☐ 1910.1010 Benzidine	☐ 1910.1011 4-Aminodiphenyl	☐ 1910.1012 Ethyleneimine
☐ 1910.1013 beta-Propiolactone	☐ 1910.1014 2-Acetylaminofluorene	☐ 1910.1015 4-Dimethylaminoazobenzene
☐ 1910.1016 N-Nitrosodimethylamine	☐ 1910.1017 Vinyl chloride	☐ 1910.1018 Inorganic arsenic
☐ 1910.1025 Lead (Att. FLD# 46)	☐ 1910.1027 Cadmium	☐ 1910.1028 Benzene
☐ 1910.1029 Coke oven emissions	☐ 1910.1043 Cotton dust	☐ 1910.1044 1,2-Dibromo-3-chloropropane
☐ 1910.1045 Acrylonitrile	☐ 1910.1047 Ethylene oxide	☐ 1910.1048 Formaldehyde
☐ 1910.1050 Methylenedianiline	☐ 1910.1051 1,3 Butadiene	☐ 1910.1052 Methylene chloride

IS SAMPLING TO BE CONDUCTED? ☒ YES ☐ NO

IS SAMPLING SUBSURFACE? ☐ YES ☒ NO MA and NH require DIGSAFE notification for all subsurface activities including sediment sampling; CT, ME, RI, and VT require DIGSAFE/CALL-BEFORE-U-DIG (CBUD) notification for subsurface activities using power or mechanized equipment only. Pre-marking is required for CT, MA, ME, VT, and NH.

IS DIGSAFE/CBUD NOTIFICATION REQUIRED? ☐ YES ☒ NO: For VT, NH, MA, ME, AND RI sites, call DIGSAFE at 1-888-344-7233 (1-888-DIG-SAFE), START ID no. 33168. For CT sites, call CBUD at 1-800-922-4455, START ID no. 03733.

DIGSAFE/CBUD VERIFICATION NO: _____ ☐ LOCAL WATER AND SEWER UTILITIES NOTIFIED
(Required whenever DIGSAFE/CBUD is notified)

Utility Contacted/Phone No.	Utility Present On Site?	Utility Emergency Phone No./Procedure/Notes

MA, ME, AND RI, NH REQUIRE 72-HOUR NOTIFICATION; CT AND VT REQUIRE 48 HOUR NOTIFICATION (BOTH EXCLUDING WEEKENDS AND HOLIDAYS). DIGSAFE NOTIFICATION IS VALID FOR 30 DAYS IN CT, VT, AND NH; FOR 60 DAYS IN ME, AND RI;, AND UNLIMITED DURATION FOR MA.

HEALTH AND SAFETY EVALUATION - BIOLOGICAL HAZARDS OF CONCERN

☒ **Animals, Snakes, Reptiles, Insects, And Poisonous Plants Common To The New England Area**
Source: ☐ Known ☒ Suspect
Route of Exposure: ☐ Inhalation ☐ Ingestion ☒ Contact ☒ Direct Penetration

☐ **Other Biological Hazards (List):**
Source: ☐ Known ☐ Suspect
Route of Exposure: ☐ Inhalation ☐ Ingestion ☐ Contact ☐ Direct Penetration

☐ **Sewage** Task No(s):
Source: ☐ Known ☐ Suspect
Route of Exposure: ☐ Inhalation ☐ Ingestion ☐ Contact ☐ Direct Penetration
Tetanus Vaccination within Past 10 yrs: ☒ Yes ☐ No
(see Note #1 below)

☐ **Etiologic Agents (List)** Task No(s):
Source: ☐ Known ☐ Suspect
Route of Exposure: ☐ Inhalation ☐ Ingestion ☐ Contact ☐ Direct Penetration

Note: A tetanus injection is recommended every 10 years for employees with "normal exposure risks." If employees have frequent potential for exposure at "higher risk," as working with raw sewage, then a frequency of 7 years is recommended.

HEALTH AND SAFETY EVALUATION — RADIATION HAZARDS OF CONCERN

NONIONIZING RADIATION

Task #	Type of Nonionizing Radiation	Source On-site	TLV/PEL	Wavelength Range	Control Measures	Monitoring Instrument	NOTE: NONIONIZING RADIATION TYPES INCLUDE ULTRAVIOLET, INFRARED, RADIO FREQUENCY, MICROWAVE, AND LASER.

IONIZING RADIATION

				DAC (µCi/mL)				
Task #	Radionuclide	Major Radiations	Radioactive Half-Life (Years)	D	W	Y	Surface Contamination Limit	Monitoring Instrument

HEALTH AND SAFETY EVALUATION - Physical Hazards of Concern
Bolded Titles Are Commonly Relevant To START Operations

Phy. Haz. Cond.	Physical Hazard	Attach OP	WESTON OP Titles
Loud Noise	Hearing loss/disruption of communication	☐	Occupational Noise and Hearing Conservation - See Section 7 of the Corporate Environmental Compliance, Health, and Safety Program Manual
Inclement Weather	Rain/humidity/cold/ice/snow/lightning	☒	**FLD02 - Inclement Weather**
Steam Heat Stress	Burns/displaced oxygen/wet working surfaces	☐	FLD03 - Hot Process - Steam, Low Temperature Thermal Treatment Unit, Transportable Incinerator
Ambient Heat Stress	Heat rash/cramps/exhaustion/heat stroke	☐	**FLD05 - Heat Stress Prevention/Monitoring**
Cold Stress	Hypothermia/frostbite	☒	**FLD06 - Cold Stress**
Confined Spaces	Falls/burns/drowning/engulfment/electrocution	☐	FLD08 - Confined Space Entry
Industrial Trucks	Fork Lift Truck Safety	☐	FLD09 – Powered Industrial Trucks
Improper Lifting	Back strain/abdomen/arm/leg muscle/joint injury	☒	**FLD10 - Manual Lifting/Handling Heavy Objects**
Uneven Surfaces	Vehicle accidents/slips/trips/falls	☒	**FLD11 - Rough Terrain and/or ATV Use**
Poor Housekeeping	Slips/trips/falls/punctures/cuts/fires	☒	**FLD12 - Housekeeping**
Structural Integrity	Crushing/overhead hazards/compromised floors	☐	FLD13 - Structural Integrity
Hostile Persons	Bodily injury	☐	FLD14 - Site Security/Violence Free Workplace
Improper Cylinder Handling	Mechanical injury/fire/explosion/suffocation	☐	FLD16 - Pressure Systems - Compressed Gases
Water Hazards	Poor visibility/entanglement/drowning/cold stress	☐	FLD17 - Diving
Water Hazards	Drowning/heat/cold stress/hypothermia/falls	☐	FLD18 - Operation and Use of Boats
Water Hazards	Drowning/frostbite/hypothermia/falls/electrocution	☐	FLD19 - Working Over Water
Vehicle Hazards	Struck by vehicle/collision	☒	**FLD20 - Traffic**

Explosions	Explosion/fire/thermal burns	☐	FLD21 - Explosives
Moving Mechanical Parts	Crushing/pinch points/overhead hazards/electrocution	☐	**FLD22 - Earth Moving Equipment/Material Handling Equipment**
Moving Mechanical Parts	Overhead hazards/electrocution	☐	FLD23 - Cranes/Rigging/Slings
Working At Elevation	Overhead hazards/falls/electrocution	☐	FLD24 - Aerial Lifts/Man Lifts
Working At Elevation	Overhead hazards/falls/electrocution	☐	FLD25 - Working at Elevation/Fall Protection
Working At Elevation	Overhead hazards/falls/electrocution/slips	☐	FLD26 - Ladders
Working at elevation	Slips/trips/falls/overhead hazards	☐	FLD27 - Scaffolding
Trench Cave-In	Crushing/falling/overhead hazards/suffocation	☐	**FLD28 - Excavating/Trenching**
Physiochemical	Explosions/fires from oxidizing, flam./corr. material	☒	**FLD30 - Hazardous Materials Use/Storage**
Physiochemical	Fire and explosion	☐	FLD31 - Fire Prevention/
Physiochemical	Fire	☒	**FLD32 - Fire Extinguishers Required and Requirements**
Structural Integrity	Overhead/electrocution/slips/trips/falls/fire	☐	FLD33 - Demolition
Electrical	Electrocution/shock/thermal burns	☒	**FLD34 - Utilities**
Electrical	Electrocution/shock/thermal burns	☐	FLD35 - Electrical Safety
Burns/Fires	Heat stress/fires/burns	☐	FLD36 - Welding/Cutting/Brazing/Radiography
Impact/Thermal	Thermal burns/high pressure impaction/heat stress	☐	FLD37 - Pressure Washers/Sandblasting
Impaction/Electrical	Smashing body parts/pinching/cuts/electrocution	☐	FLD38 - Hand and Power Tools
Poor Visibility	Slips/trips/falls	☐	**FLD39 - Illumination**
Fire/Explosion	Burns/impaction	☐	FLD40 - Storage Tank Removal/Decommissioning
Communications	Disruption of communications	☐	**FLD41 - Hand and Emergency Signals/Radio Communication**
Energy/Release	Unexpected release of energy	☐	FLD42 - Lockout/Tag-out
Biological Hazards	Biological Hazards at site	☒	**FLD43 - Biological Hazards** **FLD 43A - Animals** **FLD 43B - Stinging and Biting Insects** **FLD 43C - Molds and Fungi** **FLD 43D - Hazardous Plants** **FLD 43E - Etiologic Agents**
Biological Hazards/BBP	Biological Hazards/BBP at site/First Aid Providers	☒	**FLD44 - Bloodborne Pathogens Exposure Control Plan – First Aid Providers**
Infectious Waste	Infectious Waste at site/BBP/ at site/Infectious Waste	☐	FLD45 – Bloodborne Pathogens Exposure Control Plan – Work With Infectious Waste
Lead Contaminated Sites	Lead poisoning	☐	FLD46 - Control of Exposure to Lead
Puncture/Cuts	Cuts/ dismemberment/gouges	☐	FLD47 - Clearing, Grubbing and Logging Operations
Not Applicable	Not applicable	☒	**FLD48 – Federal, State, Local Regulatory Agency Inspections**
Not Applicable	Exposure to hazardous materials/waste	☐	FLD49 – Safe Storage of Samples
Cadmium	Exposure Control	☐	FLD50 – Cadmium Exposure Control Plan
Process Safety Procedure	Safety Procedure	☐	FLD51 – Process Safety Procedure
Asbestos	Asbestos Exposure	☐	FLD52 – Asbestos Exposure Control Plan
Hexavalent Chromium	Exposure Control Plan	☐	FLD53 – Hexavalent Chromium Exposure Control Plan
Benzene	Exposure Control Plan	☐	FLD54 - Benzene Exposure Control Plan
Hydrofluoric Acid	Exposure control Plan	☐	FLD55 – Working with Hydrofluoric Acid
Moving Mechanical Parts	Crushing/pinch points/overhead hazards/electrocution	☐	FLD56 – Environmental Remediation Drilling Safety Guideline - 2005
Vehicles/Driving	Accidents,/fatigue/cell phone use	☒	**FLD 57 – Motor Vehicle Safety**
Improper Material Handling	Back injury/crushing from load shifts/equipment/tools	☐	FLD 58 – Drum Handling Operations
COC Decontamination	COCs/slip,trip, and falls/waste generation/environmental compliance/PPE	☐	FLD59 - Decontamination
Fatigue From long Hours	Employee Fatigue	☐	FLD60 - Employee Duty Schedule/Basic fatigue Management Plan
Gasoline	Exposure Control Plan	☐	FLD61 - Gasoline Contaminant Exposure

Note there is no FLD01, FLD04, FLD07, FLD15, or FLD29

TASK-BY-TASK RISK ASSESSMENT
(Complete One Sheet for Each Task)

TASK DESCRIPTION

Task 01: Mobilize to site and perform a perimeter site reconnaissance to determine the number and type of samples that will be collected to sufficiently characterize the site.

EQUIPMENT REQUIRED/USED
(Be specific, e.g., hand tools, heavy equipment, instruments, PPE)

PPE: Modified Level D
Air Monitoring: PID, CGI/O_2
Equipment: fire extinguisher, first aid kit, camera, logbook, Booties, surgical gloves.

POTENTIAL HAZARDS/RISKS

CHEMICAL

☒ **Hazard Present Risk Level:** ☐ **H** ☐ **M** ☒ **L**

What Justifies Risk Level? Awareness of potential on-site chemicals and their properties, appropriate use of PPE and air monitoring, attention to surroundings, and use of the "Buddy System" will reduce the risk of exposure.

PHYSICAL

☒ **Hazard Present Risk Level:** ☐ **H** ☒ **M** ☐ **L**

What Justifies Risk Level? Awareness of potential hazards, use of the "Buddy System", and careful observation of surroundings will minimize risks. Proper nutrition and hydration are important factors for maintaining physical strength and mental awareness during field work regardless of the season or site conditions. Considerations include slip/trip/fall, working with hand tools (strains), and working on uneven terrain.

BIOLOGICAL

☒ **Hazard Present Risk Level:** ☐ **H** ☐ **M** ☒ **L**

What Justifies Risk Level? Biological hazards common to the New England area may be encountered. Risks will be minimized by awareness, avoidance of potential hazards, and use of appropriate work clothes/PPE.

RADIOLOGICAL

☒ **Hazard Present Risk Level:** ☐ **H** ☐ **M** ☒ **L**

What Justifies Risk Level? Site background does not indicate that radiation sources are present. However, the potential for radiation sources will be investigated, and radiation monitoring will be conducted. Proper monitoring and avoidance will minimize the risk of exposure.

LEVELS OF PROTECTION/JUSTIFICATION

Modified Level D will be used to protect against the noted hazards

All work will be performed in accordance with the provisions of this HASP, OSHA guidelines, and WESTON Standard Operating Procedures: See pages 6-7

PERSONNEL PROTECTION PLAN

Engineering Controls
Describe Engineering Controls used as part of Personnel Protection Plan:

Task(s): Task 01 - Mobilize to site and perform a perimeter site reconnaissance to determine the number and type of samples that will be collected to sufficiently characterize the site.

Administrative Controls
Describe Administrative controls used as part of Personnel Protection Plan: Appropriate Work Zone Delineation. All Field Personnel: 40-Hour OSHA Health and Safety (H&S) Training, 8-Hour OSHA H&S Refresher Training (As Needed), Medical Monitoring Clearance. FSO: 8-Hour FSO training, First Aid, Bloodborne Pathogens, And Adult Cardiopulmonary Resuscitation (CPR) Training, And Extensive Field Experience.

Personal Protective Equipment
List Initial PPE Level For Each Task:

Task 01: Modified Level D PPE - See Page 11 for Action Levels.

Description of Levels of Protection

Level D	Level D Modified	Level C	Level B
Task(s): ☒ Head - Hard Hat (as appropriate) ☒ Eye (Safety Glasses as appropriate ☐ Hearing - Ear Plugs ☒ Appropriate Uniform ☐ Hand - Gloves ☒ Foot - Safety Boots ☐ Other (specify)	Task(s): ☒ Head - Hard Hat (as appropriate) ☒ Eye (Safety Glasses) ☐ Hearing - Ear Plugs ☒ Appropriate Uniform ☒ Coverall (Tyvek) ☒ Hand - Gloves (inner - surgical) ☐ Hand - Gloves (middle) ☒ Hand - Gloves (outer - surgical) ☒ Foot - Safety Boots ☒ Foot - Over boots ☐ Other (specify)	Task(s): ☐ Head - Hard Hat ☐ Face (Splash Shield) ☐ Hearing - Ear Plugs ☐ Appropriate Uniform ☐ Coverall (Tyvek) ☐ Hand - Gloves (inner - surgical) ☐ Hand - Gloves (middle) ☐ Hand - Gloves (outer - nitrile) ☐ Foot - Safety Boots ☐ Foot - Over boots ☐ Respirator (Full Face APR) ☐ Cartridge (OV/HEPA) ☐ Other (specify)	Task(s): ☐ Head - Hard Hat ☐ Face (Splash Shield) ☐ Hearing - Ear Plugs ☐ Appropriate Uniform ☐ Coverall (Saranex) ☐ Hand - Gloves (inner - surgical) ☐ Hand - Gloves (middle) ☐ Hand - Gloves (outer - nitrile) ☐ Foot - Safety Boots ☐ Foot - Over boots ☐ SCBA ☐ Other (specify)

SITE OR PROJECT HAZARD MONITORING PROGRAM

Direct Reading Air Monitoring Instruments

Instrument Selection and Initial Check Record

Reporting Format: ☒ Field Logbook ☐ Field Data Sheets ☐ Air Monitoring Log ☐ Trip Report ☐ Other

Instrument	Task No.(s)	Instrument Number	Comment	Initials
☒ CGI/O_2	01			
☐ $CGI/O_2/H_2S/CO$				
☒ RAD	01			
☒ Micro-R				
☐ GM				
☐ Other				
☒ PID	01			
☐ FID				
☐ RAM, Mini-RAM, Other				
☐ Mercury Vapor Analyzer				
☐ Single Gas				
☐ H_2S				
☐ CL_2				
☐ HCN				
☐ Other				
☐ Pump – Drager				
☐ Tubes/type:				
☐ Tubes/type:				
☐ Other				
☐ Chlorine Meter				
☐ Ammonia Meter				
☐ Personal/Area Sampling				
☐ Asbestos				
☐ Lead				
☐ Other				
☐ Other (List)				

SITE AIR MONITORING PROGRAM			
Action Levels			
These Action Levels, if not defined by regulation, are some percent (usually 50%) of the applicable PEL/REL/TLV. That number must also be adjusted to account for instrument response factors.			
	Tasks	**Action Level** Ambient Concentration	**Action**
☒ **Explosive atmosphere**	01	<10% LEL	Work may continue. Consider toxicity potential.
		10 to 25% LEL	Work may continue. Increase monitoring frequency.
		>25% LEL	Work must stop. Ventilate area before returning.
☒ **Oxygen**	01	<19.5% O_2	Leave Area. Re-enter only with self-contained breathing apparatus.
		19.5% to 25% O2	Work may continue. Investigate changes from 21%.
		>25% O_2	Work must stop. Ventilate area before returning.
☒ **Radiation**	01	< 3 times background	Continue Work.
		3 Times Background to < 1 mR/hour	Possible radiation source(s) present (normal background is 0.01-0.02 mR/hr). Continue investigation with caution. Perform thorough monitoring. Consult with a Health Physicist.
		> 1 mR/hour	Potential radiation hazard. Continue investigation only upon the advice of Health Physicist.
☒ **Unknown Organic Gases/Vapors**	01	< 1 unit above background	Level D, continue air monitoring.
		1 to 5 units above background	Level C, continue air monitoring.
		> 5 to 500 units above background	Level B, continue air monitoring.
		> 500 units above background	Evacuate affected area.
☐ **Specific Organics/Inorganics**			

Note: Action levels listed above do not include confined space entry work.

AIR MONITORING/SAMPLING SUMMARY LOG								
Work Location Instrument Readings								
Location:	% LEL	**% O2**	PID (units)	FID (units)	Aerosol Monitor (mg/m3)	Radiation Meter (uR/Hour)	Detector Tubes (PPM)	Other

CONTINGENCIES

Emergency Contacts and Phone Numbers

Agency	Contact	Phone Number
Local Medical Emergency Facility (LMF)	Harrington Memorial Hospital	(508) 765-9771
WESTON Medical Emergency Contact	Dr. Peter Greaney WorkCare, Anaheim, CA	Between 0730 and 1930 Eastern Time Zone: 800-455-6155, extension 2219 [Team Delta]; if a member of Team Delta cannot be reached, dial extension 2110 [Paula Sandrock]. After business hours, follow the prompts to reach a WorkCare representative.
WESTON Health and Safety	Herold Hannah	(610) 701-3024 (work) (267) 516-0274 (cell)
Fire Department	Webster, Massachusetts	911
Police Department	Webster, Massachusetts	911
Weston/START Site Leader	Eric Ackerman	Office: 978-552-2127 Cell: 978-621-1204
EPA Site Coordinator	Allen Jarrell	Office: 617-918-13144 Cell: 617-312-4717
OSHA Hotline		1-800-321-6742
Chem-Tel		1-800-255-3924
ATSDR		1-404- 639-0615
ATF (explosives information)		1-800-800-3855
Chemtrec		1-800-424-9300
Poison Control Center		1-800-222-1222
National Response Center		1-800-424-8802
START Health and Safety	Paul Callahan	1-978- 621-1203

Local Medical Emergency Facility(s)

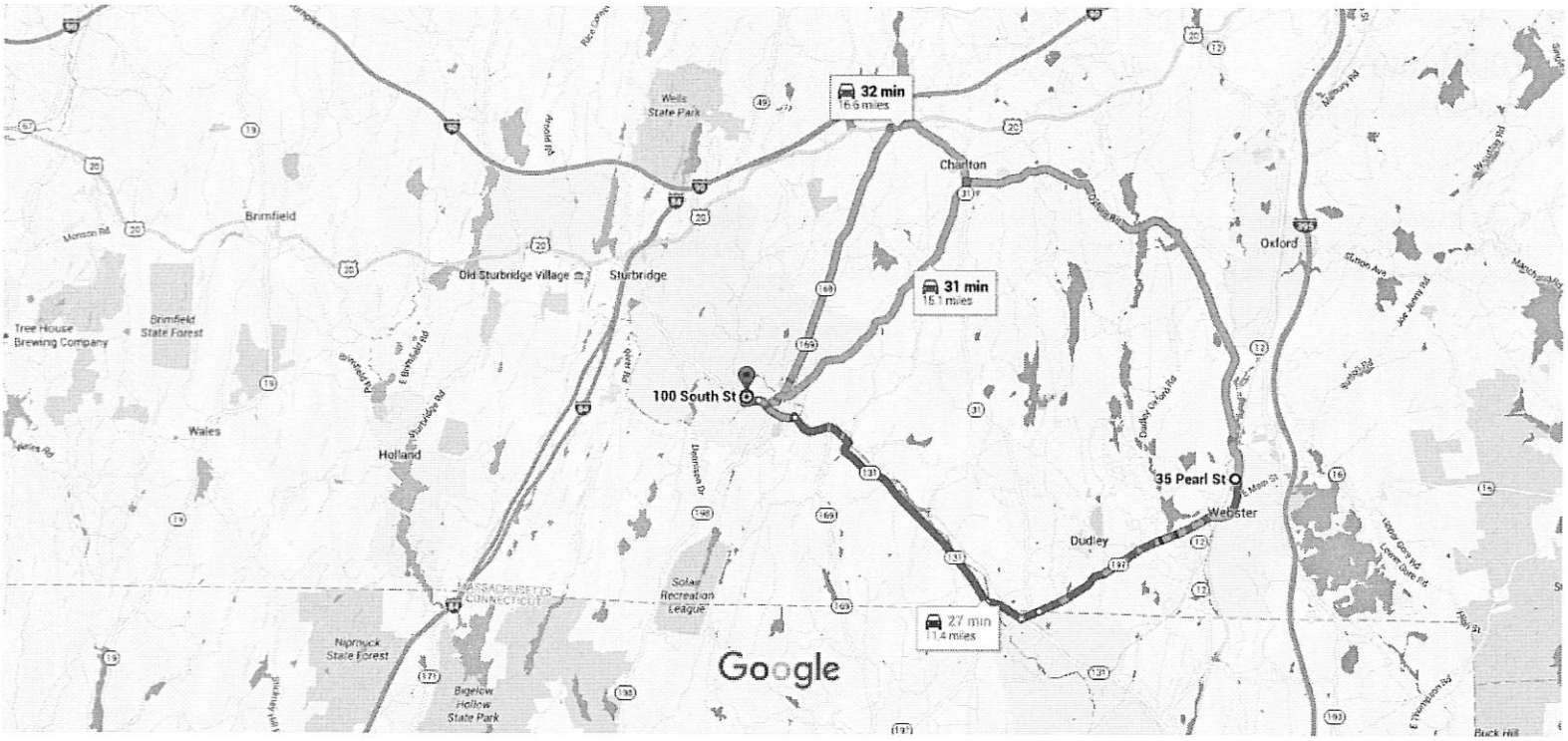
Name of Hospital: Harrington Memorial Hospital		
Address: 100 South Street, Southbridge, Massachusetts		**Phone No.:** (508) 765-9771
Name of Contact: Emergency Room		
Type of Service: ☐ Physical trauma only ☐ Chemical exposure only ☒ Physical trauma and chemical exposure ☒ Available 24 hours	**Route to Hospital (written detail):** Follow Pearl Street to Quinebaug Road and turn right (4.7 miles). At the Rotary, take the third exit onto Main Street (5.6 miles), and then take a slight left after 0.7 miles onto South Street and after 0.2 miles turn right and Harrington Hospital is on your left.	**Travel time from site:** **approx. 25 minutes** **Distance to hospital:** **approx. 11 miles** **Name/No. of 24-hr Ambulance Service:** **Webster EMS/911**

Figure 2 - Route to Hospital (Map)

Google Maps

35 Pearl St, Webster, MA 01570 to 100 South St, Southbridge, MA 01550

Drive 11.4 miles, 27 min



Map data ©2015 Google 2 mi

35 Pearl St

Webster, MA 01570

Follow Pearl St to N Main St

20 s (289 ft)

1. Head south on Pearl St

20 ft

2. Turn left onto Pearl Ave

269 ft

Continue on N Main St. Drive from MA-131 W to Southbridge

23 min (11.3 mi)

3. Turn right onto N Main St
   - Entering Connecticut

4.4 mi

4. Continue onto Old Turnpike Rd

0.3 mi

5. Turn right onto Quinebaug Rd
   - Entering Massachusetts

0.6 mi

6. Continue onto MA-131 W

4.9 mi

7. At the traffic circle, take the 3rd exit onto Main St

0.7 mi

8. Slight left onto South St

0.2 mi

Turn right

Destination will be on the right

29 s (0.1 mi)

100 South St

Southbridge, MA 01550

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Live traffic	*Fast*	*Slow*

CONTINGENCY			
Response Plans			
Medical – General Provide First Aid as trained, assess and determine need for further medical assistance. Transport or arrange for transport after decontamination.			
First Aid Kit required: ☒ Yes	Type - Standard field including bloodborne pathogen kit	Location - START vehicle	Special First Aid Procedures: Cyanides on site ☐ Yes ☒ No. If yes, contact LMF. Do they have antidote kit? ☐ Yes ☐ No
Eyewash required ☒ Yes ☐ No	Type - Standard Gravity-Fed	Location - START vehicle	Hydrogen Fluoride on site ☐ Yes ☒ No. If yes, need neutralizing ointment for First Aid kit. Contact LMF.
Spills: In the event of a spill or release, ensure safety, assess situation and perform containment and control measures as appropriate:	a. If small spill, clean up per MSDS; Notify Emergency Coordinator. b. If large spill, Sound Alarm; Notify Emergency Coordinator. c. Evacuate to pre-determined safe place. d. Account for all personnel. e. Determine if Team can respond safely.	Spill Response Equipment (Type) None	Location
Fire/Explosion: In the event of a fire or explosion, ensure personal safety, assess situation and perform containment and control measures as appropriate:	a. Sound Alarm and call assistance, Notify Emergency Coordinator b. Evacuate to predetermined safe place c. Account for personnel d. Use fire extinguisher, only if safe and trained e. Standby to inform Emergency responders of materials and conditions	Fire Extinguisher (Type): 10/20 lb ABC	Location - START vehicle
Security Problems: Assess safety of field team, contact local police at 911 if necessary.			

DECONTAMINATION PLAN

Levels of Protection Required for Decontamination Personnel

The levels of protection required for personnel assisting with decontamination will be:

☐ Level B ☐ Level C ☒ Modified Level D

Modifications include:

PPE and Monitoring Equipment Decontamination

Decontamination procedure required for site personnel:

☒ Dry decon

☐ Wet decon (If Needed)

- ☐ Wash boots and gloves
- ☐ Remove outer boots
- ☐ Remove outer gloves
- ☐ Remove chemical coverall
- ☐ Remove respiratory protection
- ☐ Remove inner gloves

Sampling Equipment Decontamination

Sampling equipment will be decontaminated in accordance with the following procedure: N/A

☐ Wash with soap and water

☐ Rinse with tap water

☐ Rinse with isopropanol

☐ Rinse with DI water

☐ Air dry

Disposition of Investigation-Derived Wastes

Provide a description of waste disposition including identification of storage area, hauler, and final disposal site, if applicable:
PPE will be decontaminated on site as needed, double-bagged, and returned to the Andover, MA START office for disposal in accordance with the START Region I field-generated waste SOP. Decontamination fluids will be disposed of on site in accordance with the access agreement.

SITE PERSONNEL	
Name: Eric Ackerman **Title: Site Leader** **Task(s): 01** ☒ Medical Current ☐ Fit Test Current (Qual.) ☒ Training Current ☒ Fit Test Current (Quant.)	**Name:** **Title:** **Task(s):** ☒ Medical Current ☐ Fit Test Current (Qual.) ☒ Training Current ☒ Fit Test Current (Quant.)
Name: **Title:** **Task(s):** ☒ Medical Current ☐ Fit Test Current (Qual.) ☒ Training Current ☒ Fit Test Current (Quant.)	**Name:** **Title:** **Task(s):** ☒ Medical Current ☐ Fit Test Current (Qual.) ☒ Training Current ☒ Fit Test Current (Quant.)
Name: **Title:** **Task(s):** ☒ Medical Current ☐ Fit Test Current (Qual.) ☒ Training Current ☒ Fit Test Current (Quant.)	**Name:** **Title:** **Task(s):** ☒ Medical Current ☐ Fit Test Current (Qual.) ☒ Training Current ☒ Fit Test Current (Quant.)

TRAINING CURRENT: All personnel, including visitors, entering the exclusion or contamination reduction zones must have current certifications of completion of training in accordance with 29 CFR 1910.120.

FIT TEST CURRENT: All persons, including visitors, entering any area requiring the use or potential use of any negative pressure respirator must have had, as a minimum, a qualitative fit test, administered in accordance with OSHA 29 CFR 1910.134 or ANSI, within the last 12 months. If site conditions require the use of a full-face, negative-pressure, air-purifying respirator for protection from asbestos or lead, employees must have had a qualitative fit test, administered according to OSHA 29 CFR 1910.1001 or 1025/1926, within the last 6 months.

MEDICAL CURRENT - Medical Monitoring Requirements: All personnel, including visitors, entering the exclusion or contamination reduction zones must be certified as medically fit to work, and to wear a respirator (if appropriate), in accordance with 29 CFR 1910.120 and 29 CFR 1910.134.

The Site Field Safety Officer is responsible for verifying all certifications and fit tests.

SITE SPECIFIC HEALTH AND SAFETY PERSONNEL

The Field Safety Officer (FSO) for activities to be conducted at this site is: Eric Ackerman

The FSO has total responsibility for ensuring that the provisions of this Site HASP are adequate and implemented in the field.

Changing field conditions may require decisions to be made concerning adequate protection programs. Therefore, the personnel assigned as FSOs are experienced and meet the additional training requirements specified by OSHA in 29 CFR 1910.120

Qualifications:

- ☒ 40 Hour OSHA Training
- ☒ 8 Hour Site Safety Supervisor Training
- ☒ Extensive field experience
- ☒ 8 Hour Refresher Training
- ☒ First Aid, Bloodborne pathogens, and Adult CPR Training
- ☐ Non-rescue Confined Space Training

HEALTH AND SAFETY PLAN APPROVAL/SIGNOFF FORM

Site Name: Anglo Enterprises Company Site

Address: 35 Pearl Street, Webster, Massachusetts

I understand, agree to and will conform with the information set forth in this Health and Safety Plan (and attachments) and discussed in the Personnel Health and Safety briefing(s).

Name	Signature	Date
Eric D. Ackerman	Eric D. Ackerman	11/10/2015

ON-SITE TAILGATE SAFETY MEETING ATTENDANCE LIST
(TO BE CONDUCTED DAILY)

DATE: **TOPICS COVERED: PPE Levels, Air Monitoring Action Levels, Chemical Hazards, Physical Hazards, Tasks To Be Conducted, Weather Hazards, Other Topics Including:**

Name	Signature

ATTACHMENT "A"

CHEMICAL CONTAMINANTS

DATA SHEETS

(Attach appropriate data sheets.)

ATTACHMENT "B"

SAFETY DATA SHEETS

(SDS)

ATTACHMENT "C"

SITE SPECIFIC HAZARD COMMUNICATION PROGRAM

Location Specific Hazard Communications Program/Checklist

In order to ensure an understanding of and compliance with the Hazard Communication Standard, WESTON will utilize this checklist/document (or similar document) in conjunction with the WESTON Written Hazard Communications Program as a means of meeting site or location specific requirements.

While responsibility for activities within this document references the WESTON Safety Officer (SO), it is the responsibility of all personnel to effect compliance. Responsibilities under various conditions can be found within the WESTON Written Hazard Communication Program.

To ensure that information about the dangers of all hazardous chemicals used by WESTON is known by all affected employees, the following hazardous information program has been established. All affected personnel will participate in the hazard communication program. This written program as well as WESTON's Corporate Hazard Communication Program will be available for review by any employee, employee representative, representative of OSHA, NIOSH or any affected employer/employee on a multi-employer site.

Site/Project name/address: Anglo Enterprises Company Site

Site/Project Manager: Eric Ackerman

Site/Project Safety Officer: Eric Ackerman

List of chemicals and SDSs complied, format: HASP:_X___ Other:_____

Tailgate Safety Meeting Conducted by (name and date):

List of Hazardous Chemicals

A list of known hazardous chemicals used by WESTON personnel must be prepared and attached to this document. Further information on each chemical may be obtained by reviewing the appropriate SDS's. The list will be arranged to enable cross reference with the SDS file and the label on the container. The SO or location manager is responsible for ensuring the chemical listing remains up-to-date.

Container Labeling

The WESTON Safety Officer (SO) will verify that all containers received from the chemical manufacturer, importer or distributor for use on site will be clearly labeled.

The SO is responsible for assuring labels are placed where required and for comparing SDS's and other information with label information to ensure correctness.

Safety Data Sheets (SDS)

The SO is responsible for establishing and monitoring WESTON's SDS program for the location. The SO will make sure procedures are developed to obtain the necessary SDS's and will review incoming SDS's for new or significant health and safety information. He/she will see that any new information is passed on to the affected employees. If an SDS is not received at the time of initial shipment, the SO will call the manufacturer and have a SDS delivered for that product in accordance with the requirements of WESTON's Written Hazard Communication Program.

Copies of SDS's for all hazardous chemicals in use will be kept in the SDS folder at a location known to all site workers. SDS's will be readily available to all employees during each work shift. If an SDS is not available, immediately contact the WESTON SO or designated alternate. When revised SDS's are received the SO will immediately replace the old SDS's.

Employee Training and Information

The SO is responsible for the WESTON site-specific personnel training program. The SO will ensure that all program elements specified below are supplied to all affected employees.

At the time of initial assignment for employees to the work site or whenever a new hazard is introduced into the work area employees will attend a health and safety meeting or briefing that includes the information indicated below.

- Hazardous chemicals present at the worksite
- Physical and health risks of the hazardous chemicals

- The signs and symptoms of overexposure
- Procedures to follow if employees are overexposed to hazardous chemicals
- Location of the SDS file and written hazard communication program
- How to determine the presence or release of hazardous chemicals in the employees work area
- How to read labels and review SDS's to obtain hazard information
- Steps WESTON has taken to reduce or prevent exposure to hazardous chemicals
- How to reduce or prevent exposure to hazardous chemicals through use of controls procedures, work practices and personal protective equipment
- Hazardous, non-routine tasks to be performed (if any)
- Chemicals within unlabeled piping (if any)

Hazardous Non-Routine Tasks

When employees are required to perform hazardous non-routine tasks the affected employee(s) will be given information by the SO about the hazardous chemicals he or she may utilize during such activity. This information will include specific chemical hazards, protective and safety measures the employee can use and steps WESTON is using to reduce the hazards. These steps include, but are not limited to, ventilation, respirators, presence of another employee and emergency procedures.

Chemicals in Unlabeled Pipes

Work activities may be performed by employees in areas where chemicals are transferred through unlabeled pipes. Prior to starting work in these areas, the employee shall contact the SO at which time information as to; the chemical(s) in the pipes, potential hazards of the chemicals or the process involved, and safety precautions which should be taken will be determined and presented.

Multi-Employer Worksites

It is the responsibility of the SO to provide other employers with information about hazardous chemicals imported by WESTON to which their employees may be exposed, along with suggested safety precautions. It is also the responsibility of SO and the site manager to obtain information about hazardous chemicals used by other employers to which WESTON employees may be exposed. WESTON's chemical listing will be made available to other employers as requested. MSDS's will be available for viewing as necessary.

The location, format and/or procedures for accessing MSDS information must be relayed to affected employees.